

CLAIMS

1. A recording and/or reproducing method for a record medium, comprising the steps of:

reading address information from a record medium, the record medium having at least a first area and a second area, data being recordable to the first area, the second area being followed by the first area, the address information representing the position of the second area;

detecting an error corresponding to error detection code encoded for the address information that has been read from the record medium; and

when the result of the detecting step represents that an error has been detected in the address information that has been read from the record medium, notifying at least a user that the error has been detected.

2. The recording and/or reproducing method for the record medium as set forth in claim 1, further comprising the step of:

when the result of the detecting step represents that an error has been detected in the address information that has been read from the record medium, prohibiting data from being recoded to the first area of the record medium.

3. The recording and/or reproducing method for the record medium as set forth in claim 2, further

comprising the step of:

when the result of the detecting step represents that an error has not been detected in the address information that has been read from the record medium, permitting data to be recorded to the first area of the record medium.

4. The recording and/or reproducing method for the record medium as set forth in claim 1, further comprising the step of:

when the result of the detecting step represents that an error has been detected in the address information that has been read from the record medium, prohibiting data recorded in the first area of the record medium from being reproduced.

5. The recording and/or reproducing method for the record medium as set forth in claim 1, further comprising the step of:

when the result of the detecting step represents that an error has been detected in the address information that has been read from the record medium, permitting data recorded in the first area of the record medium to be reproduced.

6. The recording and/or reproducing method for the record medium as set forth in claim 1, further comprising the step of:

when the result of the detecting step represents that an error has been detected in the

address information that has been read from the record medium, prohibiting data from being recorded to the first area of the record medium and permitting data recorded in the first area to be reproduced.

- 5 7. The recording and/or reproducing method for the record medium as set forth in claim 1, further comprising the step of:

10 when the result of the detecting step represents that an error has been detected in the address information that has been read from the record medium, permitting data to be recorded to the first area of the record medium and data recorded in the first area to be reproduced.

- 15 8. The recording and/or reproducing method for the record medium as set forth in claim 1,

20 wherein the notifying step is performed by displaying an alarm message, when the result of the detecting step represents that an error has been detected in the address information that has been read from the record medium.

9. The recording and/or reproducing method for the record medium as set forth in claim 1,

25 wherein the notifying step is performed by generating an alarm sound, when the result of the detecting step represents that an error has been detected in the address information that has been read from the record medium.

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10. The recording and/or reproducing method for the record medium as set forth in claim 1,

wherein the detecting step is performed by calculating address information that has been read from the record medium and detecting whether or not the address information that has been read from the record medium has an error depending on whether or not the calculated result is a predetermined value.

11. The recording and/or reproducing method for the record medium as set forth in claim 10,

wherein the address information is information that represents at least the start position of the second area.

12. The recording and/or reproducing method for the record medium as set forth in claim 11,

wherein the address information represents at least minutes, seconds, and frames.

13. The recording and/or reproducing method for the record medium as set forth in claim 12,

wherein a data portion that represents at least the frames of the address information is varied corresponding to data that represents a manufacturer of the record medium.

14. A recording and/or reproducing method for a record medium, comprising the steps of:

reading address information from a record medium, the record medium having at least a first area

and a second area, data being recordable to the first area, the second area being followed by the first area, the address information representing the position of the second area;

5 detecting an error corresponding to error detection code encoded for the address information that has been read from the record medium; and

 when the result of the detecting step represents that an error has been detected in the address information that has been read from the record medium, prohibiting data from being recorded to at least the first area of the record medium.

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15. The recording and/or reproducing method for the record medium as set forth in claim 14, further comprising the step of:

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 when the result of the detecting step represents that an error has not been detected in the address information that has been read from the record medium, permitting data to be recorded to the first area of the record medium.

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16. The recording and/or reproducing method for the record medium as set forth in claim 14, further comprising the step of:

 when the result of the detecting step represents that an error has been detected in the address information that has been read from the record medium, permitting data recorded in the first area of

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the record medium to be reproduced.

17. The recording and/or reproducing method for the record medium as set forth in claim 14, further comprising the step of:

5 when the result of the detecting step represents that an error has been detected in the address information that has been read from the record medium, prohibiting data recorded in the first area of the record medium from being reproduced.

10 18. The recording and/or reproducing method for the record medium as set forth in claim 14, further comprising the step of:

15 when the result of the detecting step represents that an error has been detected in the address information that has been read from the record medium, notifying at least a user that the error has been detected.

19. The recording and/or reproducing method for the record medium as set forth in claim 18,

20 wherein the notifying step is performed by displaying an alarm message, when the result of the detecting step represents that an error has been detected in the address information that has been read from the record medium.

25 20. The recording and/or reproducing method for the record medium as set forth in claim 18,

wherein the notifying step is performed by

generating an alarm sound, when the result of the detecting step represents that an error has been detected in the address information that has been read from the record medium.

5 21. The recording and/or reproducing method for the record medium as set forth in claim 14,

wherein the detecting step is performed by calculating address information that has been read from the record medium and detecting whether or not the address information that has been read from the record medium has an error depending on whether or not the calculated result is a predetermined value.

10 22. The recording and/or reproducing method for the record medium as set forth in claim 21,

15 wherein the address information is information that represents at least the start position of the second area.

20 23. The recording and/or reproducing method for the record medium as set forth in claim 22,

wherein the address information represents at least minutes, seconds, and frames.

24. The recording and/or reproducing method for the record medium as set forth in claim 23,

25 wherein a data portion that represents at least the frames of the address information is varied corresponding to data that represents a manufacturer of the record medium.

25. A recording and/or reproducing method for a record medium, comprising the steps of:

reading address information from a record medium, the record medium having at least a first area, a second area, and a third area, data being recordable to the first area, the second area being followed by the first area, the data record area being followed by the third area, the address information being at least one of first address information and second address information, the first address information representing the position of the second area, the second address information representing the position of the third area;

detecting an error corresponding to error detection code encoded for the address information of at least one of the first address information and the second address information that have been read from the record medium; and

when the result of the detecting step represents that an error has been detected in the address information of at least one of the first address information and the second address information that have been read from the record medium, notifying at least a user that the error has been detected.

26. The recording and/or reproducing method for the record medium as set forth in claim 25, further comprising the step of:

when the result of the detecting step represents that an error has been detected in the address information of at least one of the first address information and the second address information that have been read from the record medium, prohibiting data from being recoded to the first area of the record medium.

27. The recording and/or reproducing method for the record medium as set forth in claim 26, further comprising the step of:

when the result of the detecting step represents that an error has not been detected in the address information of at least one of the first address information and the second address information that have been read from the record medium, permitting data to be recorded to the first area of the record medium.

28. The recording and/or reproducing method for the record medium as set forth in claim 25, further comprising the step of:

when the result of the detecting step represents that an error has been detected in the address information of at least one of the first address information and the second address information that have been read from the record medium, prohibiting data recorded in the first area of the record medium from being reproduced.

29. The recording and/or reproducing method for the record medium as set forth in claim 25, further comprising the step of:

when the result of the detecting step represents that an error has been detected in the address information of at least one of the first address information and the second address information that have been read from the record medium, permitting data recorded in the first area of the record medium to be reproduced.

30. The recording and/or reproducing method for the record medium as set forth in claim 25, further comprising the step of:

when the result of the detecting step represents that an error has been detected in the address information of at least one of the first address information and the second address information that have been read from the record medium, prohibiting data from being recorded to the first area of the record medium and permitting data recorded in the first area to be reproduced.

31. The recording and/or reproducing method for the record medium as set forth in claim 25, further comprising the step of:

when the result of the detecting step represents that an error has been detected in the address information of at least one of the first

address information and the second address information
that have been read from the record medium, permitting
data to be recorded to the first area of the record
medium and data recorded in the first area to be
5 reproduced.

32. The recording and/or reproducing method for
the record medium as set forth in claim 25,

wherein the notifying step is performed by
displaying an alarm message, when the result of the
10 detecting step represents that an error has been
detected in the address information of at least one of
the first address information and the second address
information that have been read from the record medium.

33. The recording and/or reproducing method for
15 the record medium as set forth in claim 25,

wherein the notifying step is performed by
generating an alarm sound, when the result of the
detecting step represents that an error has been
20 detected in the address information of at least one of
the first address information and the second address
information that have been read from the record medium.

34. The recording and/or reproducing method for
the record medium as set forth in claim 25,

wherein the detecting step is performed by
25 calculating address information of at least one of the
first address information and the second address
information that have been read from the record medium

and detecting whether or not the address information that has been read from the record medium has an error depending on whether or not the calculated result is a predetermined value.

5 35. The recording and/or reproducing method for the record medium as set forth in claim 34, wherein the first address information is information that represents at least the start position of the second area. _

10 36. The recording and/or reproducing method for the record medium as set forth in claim 35, wherein the first address information represents at least minutes, seconds, and frames.

15 37. The recording and/or reproducing method for the record medium as set forth in claim 36, wherein a data portion that represents at least the frames of the first address information is varied corresponding to data that represents a manufacturer of the record medium.

20 38. The recording and/or reproducing method for the record medium as set forth in claim 34, wherein the second address information is information that represents at least the start position of the third area.

25 39. The recording and/or reproducing method for the record medium as set forth in claim 38, wherein the second address information

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represents at least minutes, seconds, and frames.

40. The recording and/or reproducing method for the record medium as set forth in claim 25,

wherein the detecting step is performed by calculating address information of both of the first address information and the second address information that have been read from the record medium and detecting whether or not the first address information and the second address information that have been read from the record medium have an error depending on whether or not the calculated result is a predetermined value.

41. The recording and/or reproducing method for the record medium as set forth in claim 40,

wherein the first address information is information that represents at least the start position of the second area.

42. The recording and/or reproducing method for the record medium as set forth in claim 41,

wherein the first address information represents at least minutes, seconds, and frames.

43. The recording and/or reproducing method for the record medium as set forth in claim 42,

wherein a data portion that represents at least the frames of the first address information is varied corresponding to data that represents a manufacturer of the record medium.

44. The recording and/or reproducing method for the record medium as set forth in claim 42,

wherein the second address information is information that represents at least the start position of the third area.

45. The recording and/or reproducing method for the record medium as set forth in claim 44,

wherein the second address information represents at least minutes, seconds, and frames.

46. The recording and/or reproducing method for the record medium as set forth in claim 45,

wherein a data portion that represents at least the frames of the second address information is varied corresponding to data that represents a manufacturer of the record medium.

47. A recording and/or reproducing apparatus for a record medium, comprising:

a head for reading or reproducing data to/from a record medium, the record medium having at least a first area and a second area, data being recordable to the first area, the second area being followed by the first area;

an error checking portion for detecting an error corresponding to error detection code encoded for address information that has been read from the record medium by said head, the address information representing the position of the second area; and

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a controlling portion for notifying at least
a user that an error has been detected, when the result
of error detection of said error checking portion
represents that the error has been detected in the
5 address information that has been read from the record
medium.

48. The recording and/or reproducing apparatus
for the record medium as set forth in claim 47,

10 wherein said controlling portion prohibits
data from being recoded to the first area of the record
medium, when the result of error detection of said
error checking portion represents that an error has
been detected in the address information that has been
read from the record medium.

15 49. The recording and/or reproducing apparatus
for the record medium as set forth in claim 48,

20 wherein said controlling portion permits data
to be recorded to the first area of the record medium,
when the result of error detection of said error
checking portion represents that an error has not been
detected in the address information that has been read
from the record medium.

50. The recording and/or reproducing apparatus
for the record medium as set forth in claim 47,

25 wherein said controlling portion prohibits
data recorded in the first area of the record medium
from being reproduced, when the result of error

detection of said error checking portion represents that an error has been detected in the address information that has been read from the record medium.

5 51. The recording and/or reproducing apparatus for the record medium as set forth in claim 47,

10 wherein said controlling portion permits data recorded in the first area of the record medium to be reproduced, when the result of error detection of said error checking portion represents that an error has been detected in the address information that has been read from the record medium.

15 52. The recording and/or reproducing apparatus for the record medium as set forth in claim 47,

20 wherein said controlling portion prohibits data from being recorded to the first area of the record medium and permits data recorded in the first area to be reproduced, when the result of error detection of said error checking portion represents that an error has been detected in the address information that has been read from the record medium.

25 53. The recording and/or reproducing apparatus for the record medium as set forth in claim 47,

wherein said controlling portion permits data to be recorded to the first area of the record medium and data recorded in the first area to be reproduced, when the result of error detection of said error checking portion represents that an error has been

detected in the address information that has been read from the record medium.

54. The recording and/or reproducing apparatus for the record medium as set forth in claim 47, further comprising:

a displaying portion,

wherein said controlling portion causes said displaying portion to display an alarm message, when the result of error detection of said error checking portion represents that an error has been detected in the address information that has been read from the record medium.

55. The recording and/or reproducing apparatus for the record medium as set forth in claim 47,

wherein said controlling portion generates an alarm sound, when the result of error detection of said error checking portion represents that an error has been detected in the address information that has been read from the record medium.

56. The recording and/or reproducing apparatus for the record medium as set forth in claim 47,

wherein said controlling portion calculates address information that has been read from the record medium and detects whether or not the address information that has been read from the record medium has an error depending on whether or not the calculated result is a predetermined value.

57. The recording and/or reproducing apparatus for the record medium as set forth in claim 56,

wherein the address information is information that represents at least the start position of the second area.

58. The recording and/or reproducing apparatus for the record medium as set forth in claim 57,

wherein the address information represents at least minutes, seconds, and frames.

59. The recording and/or reproducing apparatus for the record medium as set forth in claim 58,

wherein a data portion that represents at least the frames of the address information is varied corresponding to data that represents a manufacturer of the record medium.

60. A recording and/or reproducing apparatus for a record medium, comprising:

a head for reading or reproducing data to/from a record medium, the record medium having at least a first area and a second area, data being recordable to the first area, the second area being followed by the first area;

an error checking portion for detecting an error corresponding to error detection code encoded for address information that has been read from the record medium by said head, the address information representing the position of the second area; and

a controlling portion for prohibiting data from being recorded to at least the first area of the record medium, when the result of error detection of said error checking portion represents that the error has been detected in the address information that has been read from the record medium.

61. The recording and/or reproducing apparatus for the record medium as set forth in claim 60,

wherein said controlling portion permits data to be recorded to the first area of the record medium, when the result of error detection of said error checking portion represents that an error has not been detected in the address information that has been read from the record medium.

62. The recording and/or reproducing apparatus for the record medium as set forth in claim 60,

wherein said controlling portion prohibits data recoded in the first area of the record medium from being reproduced, when the result of error detection of said error checking portion represents that an error has been detected in the address information that has been read from the record medium.

63. The recording and/or reproducing apparatus for the record medium as set forth in claim 60,

wherein said controlling portion permits data recorded in the first area of the record medium to be reproduced, when the result of error detection of said

error checking portion represents that an error has been detected in the address information that has been read from the record medium.

64. The recording and/or reproducing apparatus for the record medium as set forth in claim 60,

wherein said controlling portion prohibits data from being recorded to the first area of the record medium and permits data recorded in the first area to be reproduced, when the result of error detection of said error checking portion represents that an error has been detected in the address information that has been read from the record medium.

65. The recording and/or reproducing apparatus for the record medium as set forth in claim 60,

wherein said controlling portion permits data to be recorded to the first area of the record medium and data recorded in the first area to be reproduced, when the result of error detection of said error checking portion represents that an error has been detected in the address information that has been read from the record medium.

66. The recording and/or reproducing apparatus for the record medium as set forth in claim 60, further comprising:

a displaying portion,

wherein said controlling portion causes said displaying portion to display an alarm message, when

the result of error detection of said error checking portion represents that an error has been detected in the address information that has been read from the record medium.

5 67. The recording and/or reproducing apparatus for the record medium as set forth in claim 60,

wherein said controlling portion generates an alarm sound, when the result of error detection of said error checking portion represents that an error has been detected in the address information that has been read from the record medium.

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68. The recording and/or reproducing apparatus for the record medium as set forth in claim 60,

wherein said controlling portion calculates address information that has been read from the record medium and detects whether or not the address information that has been read from the record medium has an error depending on whether or not the calculated result is a predetermined value.

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20 69. The recording and/or reproducing apparatus for the record medium as set forth in claim 60,

wherein the address information is information that represents at least the start position of the second area.

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70. The recording and/or reproducing apparatus for the record medium as set forth in claim 69,

wherein the address information represents at

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least minutes, seconds, and frames.

71. The recording and/or reproducing apparatus for the record medium as set forth in claim 70,

wherein a data portion that represents at least the frames of the address information is varied corresponding to data that represents a manufacturer of the record medium.

72. A recording and/or reproducing apparatus for a record medium, comprising:

a head for reading or reproducing data to/from a record medium, the record medium having at least a first area, a second area, and a third area, data being recordable to the first area, the second area being followed by the first area, the data record area being followed by the third area;

an error checking portion for detecting an error corresponding to error detection code encoded for address information of at least one of first address information and second address information that have been read from the record medium by said head; and

a controlling portion for notifying at least a user that the error has been detected, when the result of error detection of said error checking portion represents that the error has been detected in the address information of at least one of the first address information and the second address information that have been read from the record medium.

73. The recording and/or reproducing apparatus
for the record medium as set forth in claim 72,

wherein said controlling portion prohibits
data from being recorded to the first area of the
record medium, when the result of error detection of
said error checking portion represents that an error
has been detected in the address information of at
least one of the first address information and the
second address information that have been read from the
record medium.

74. The recording and/or reproducing apparatus
for the record medium as set forth in claim 73,

wherein said controlling portion permits data
to be recorded to the first area of the record medium,
when the result of error detection of said error
checking portion represents that an error has not been
detected in the address information of at least one of
the first address information and the second address
information that have been read from the record medium.

75. The recording and/or reproducing apparatus
for the record medium as set forth in claim 72,

wherein said controlling portion prohibits
data recoded in the first area of the record medium
from being reproduced, when the result of error
detection of said error checking portion represents
that an error has been detected in the address
information of at least one of the first address

information and the second address information that have been read from the record medium.

76. The recording and/or reproducing apparatus for the record medium as set forth in claim 72,

5 wherein said controlling portion permits data recorded in the first area of the record medium to be reproduced, when the result of error detection of said error checking portion represents that an error has been detected in the address information of at least one of the first address information and the second address information that have been read from the record medium.

10 77. The recording and/or reproducing apparatus for the record medium as set forth in claim 72,

15 wherein said controlling portion prohibits data from being recorded to the first area of the record medium and permits data recorded in the first area to be reproduced, when the result of error detection of said error checking portion represents that an error has been detected in the address information of at least one of the first address information and the second address information that have been read from the record medium.

20 78. The recording and/or reproducing apparatus for the record medium as set forth in claim 72,

25 wherein said controlling portion permits data to be recorded to the first area of the record medium

and data recorded in the first area to be reproduced,
when the result of error detection of said error
checking portion represents that an error has been
detected in the address information of at least one of
the first address information and the second address
information that have been read from the record medium.

79. The recording and/or reproducing apparatus
for the record medium as set forth in claim 72, further
comprising:

a displaying portion,

wherein said controlling portion causes said
displaying portion to display an alarm message, when
the result of error detection of said error checking
portion represents that an error has been detected in
the address information of at least one of the first
address information and the second address information
that have been read from the record medium.

80. The recording and/or reproducing apparatus
for the record medium as set forth in claim 72,

wherein said controlling portion generates an
alarm sound, when the result of error detection of said
error checking portion represents that an error has
been detected in the address information of at least
one of the first address information and the second
address information that have been read from the record
medium.

81. The recording and/or reproducing apparatus

for the record medium as set forth in claim 72,

wherein said controlling portion calculates address information of at least one of the first address information and the second address information that have been read from the record medium and detects whether or not the address information of at least one of the first address information and the second address information that have been read from the record medium has an error depending on whether or not the calculated result is a predetermined value.

82. The recording and/or reproducing apparatus for the record medium as set forth in claim 81,

wherein the first address information is information that represents at least the start position of the second area.

83. The recording and/or reproducing apparatus for the record medium as set forth in claim 82,

wherein the first address information represents at least minutes, seconds, and frames.

84. The recording and/or reproducing apparatus for the record medium as set forth in claim 83,

wherein a data portion that represents at least the frames of the first address information is varied corresponding to data that represents a manufacturer of the record medium.

85. The recording and/or reproducing apparatus for the record medium as set forth in claim 81,

wherein the second address information is information that represents at least the start position of the third area.

86. The recording and/or reproducing apparatus
5 for the record medium as set forth in claim 83,

wherein the second address information represents at least minutes, seconds, and frames.

87. A record medium having:
a first area on which data is recordable;
10 a second area followed by the first area; and
a third area preceded by the first area,
wherein address information that represents
at least the position of the second area is recorded by
an error detection process with error detection code,
15 and

wherein the address information is a value that satisfies a predetermined calculation expression.

88. The record medium as set forth in claim 87,
wherein the address information is
20 information that represents at least the start position of the second area.

89. The record medium as set forth in claim 88,
wherein the address information represents at least minutes, seconds, and frames.

25 90. The record medium as set forth in claim 89,
wherein a data portion that represents at least the frames of the address information is varied

corresponding to data that represents a manufacturer of the record medium.

91. The record medium as set forth in claim 87,
wherein further address information that
5 represents the position of the third area is recorded
by an error detection process with error detection code,
and

wherein the address information is a value
that satisfies a predetermined calculation expression.

10 92. The record medium as set forth in claim 91,
wherein the further address information is
information that represents at least the start position
of the third area.

93. The record medium as set forth in claim 92,
15 wherein the further address information
represents at least minutes, seconds, and frames.

94. The record medium as set forth in claim 87,
wherein the record medium is a recordable
optical disc.

20 95. A record medium having:
a first area on which data is recordable;
a second area followed by the first area; and
a third area preceded by the first area,
wherein address information that represents
25 at least the position of the second area is recorded by
an error detection process with error detection code,
and

wherein a low order portion of the address information is selected corresponding to data that represents a manufacturer.

96. The record medium as set forth in claim 95,
5 wherein the address information is information that represents at least the start position of the second area.

97. The record medium as set forth in claim 96,
10 wherein the address information represents at least minutes, seconds, and frames.

98. The record medium as set forth in claim 95,
wherein the address information is a value that satisfies a predetermined calculation expression.

99. The record medium as set forth in claim 95,
15 wherein further address information that represents the position of the third area is recorded by an error detection process with error detection code, and

wherein the address information is a value that satisfies a predetermined calculation expression.

100. The record medium as set forth in claim 99,
20 wherein the further address information is information that represents at least the start position of the third area.

101. The record medium as set forth in claim 100,
25 wherein the further address information represents at least minutes, seconds, and frames.

102. The record medium as set forth in claim 95,
wherein the record medium is a recordable
optical disc.

103. A record medium determining method,
comprising the steps of:

reading address information from a record
medium loaded to an apparatus, the record medium having
at least a first area, a second area, and a third area,
data being recordable to the first area, the second
area being followed by the first area, the data record
area being followed by the third area, the address
information being at least one of first address
information and second address information, the first
address information representing the position of the
second area, the second address information
representing the position of the third area;

detecting an error corresponding to error
detection code encoded for the address information of
at least one of the first address information and the
second address information that have been read from the
record medium; and

determining whether or not the loaded record
medium is suitable for the apparatus corresponding to
the result of the detecting step.

104. The record medium determining method as set
forth in claim 103,

wherein the determining step is performed by

determining that the loaded record medium is not
suitable for the apparatus and notifying at least a
user of it when the result of the detecting step
represents that an error has been detected in the
5 address information of at least one of the first
address information and the second address information
that have been read from the record medium.

105. The record medium determining method as set
forth in claim 104,

10 wherein the determining step is performed by
calculating address information of at least one of the
first address information and the second address
information that have been read from the record medium
and determining whether or not the record medium loaded
15 to the apparatus is suitable therefor depending on
whether or not the calculated result is a predetermined
value.

106. The record medium determining method as set
forth in claim 105,

20 wherein the first address information is
information that represents at least the start position
of the second area.

107. The record medium determining method as set
forth in claim 106,

25 wherein the first address information
represents at least minutes, seconds, and frames.

108. The record medium determining method as set

forth in claim 107.

wherein a data portion that represents at least the frames of the first address information is varied corresponding to data that represents a manufacturer of the record medium.

109. The record medium determining method as set forth in claim 103,

wherein the determining step is performed by calculating address information of both of the first address information and the second address information that have been read from the record medium, detecting whether or not the first address information and the second address information that have been read from the record medium have an error depending on whether or not the calculated result is a predetermined value, and determining that the record medium loaded to the apparatus is not suitable therefor when the detected result represents that the first address information and the second address information have an error.

110. The record medium determining method as set forth in claim 109,

wherein the first address information is information that represents at least the start position of the second area.

111. The record medium determining method as set forth in claim 110,

wherein the first address information

represents at least minutes, seconds, and frames.

112. The record medium determining method as set forth in claim 111,

wherein a data portion that represents at least the frames of the first address information is varied corresponding to data that represents a manufacturer of the record medium.

113. The record medium determining method as set forth in claim 109,

wherein the second address information is information that represents at least the start position of the third area.

114. The record medium determining method as set forth in claim 113,

wherein the second address information represents at least minutes, seconds, and frames.

115. A recording and/or reproducing method for an apparatus that uses a record medium, comprising the steps of:

reading address information from a record medium loaded to an apparatus, the record medium having at least a first area, a second area, and a third area, data being recordable to the first area, the second area being followed by the first area, the data record area being followed by the third area, the address information being at least one of first address information and second address information, the first

address information representing the position of the
second area, the second address information
representing the position of the third area;

5 detecting an error corresponding to error
detection code encoded for the address information of
at least one of the first address information and the
second address information that have been read from the
record medium; and

10 determining whether or not the loaded record
medium is suitable for the apparatus corresponding to
the result of the detecting step.

116. The recording and/or reproducing method for
the apparatus that uses the record medium as set forth
in claim 115,

15 wherein the determining step is performed by
determining that the loaded record medium is not
suitable for the apparatus when the result of the
detecting step represents that an error has been
detected in the address information of at least one of
20 the first address information and the second address
information that have been read from the record medium.

117. The recording and/or reproducing method for
the apparatus that uses the record medium as set forth
in claim 116, further comprising the step of:

25 displaying an alarm message that notifies a
user that the loaded record medium is not suitable for
the apparatus.

118. The recording and/or reproducing method for the apparatus that uses the record medium as set forth in claim 116, further comprising the step of:

generating an alarm sound that notifies a user that the loaded record medium is not suitable for the apparatus.

119. The recording and/or reproducing method for the apparatus that uses the record medium as set forth in claim 115, further comprising the step of:

when the determined result of the determining step represents that the loaded record medium is not suitable for the apparatus, prohibiting data from being recorded to the first area of the record medium.

120. The recording and/or reproducing method for the apparatus that uses the record medium as set forth in claim 119, further comprising the step of:

when the determined result of the determining step represents that the loaded record medium is suitable for the apparatus, permitting data to be recorded to the first area of the record medium.

121. The recording and/or reproducing method for the apparatus that uses the record medium as set forth in claim 115, further comprising the step of:

when the determined result of the determining step represents that the loaded record medium is not suitable for the apparatus, prohibiting data recorded in the first area of the record medium from being

reproduced.

122. The recording and/or reproducing method for the apparatus that uses the record medium as set forth in claim 115, further comprising the step of:

5 when the determined result of the determining step represents that the loaded record medium is not suitable for the apparatus, permitting data recorded in the first area of the record medium to be reproduced.

123. The recording and/or reproducing method for the apparatus that uses the record medium as set forth in claim 115, further comprising the step of:

10 when the determined result of the determining step represents that the loaded record medium is not suitable for the apparatus, prohibiting data from being recorded to the first area of the record medium and permitting data recorded in the first area to be reproduced.

124. The recording and/or reproducing method for the apparatus that uses the record medium as set forth in claim 115, further comprising the step of:

15 when the determined result of the determining step represents that the loaded record medium is not suitable for the apparatus, permitting data to be recorded to the first area of the record medium and data recorded in the first area to be reproduced.